



# CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

ARRL Club No. 1658

DECEMBER 1987

++ FD'71 ++ FD'73 ++ FD'75 ++ FD'78 ++ MAS ++ MAC ++

Garrett/W6TRW Repeater: 145.32/-600 (2A-PL) -- UHF: 442.000in/447.000out

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## CALENDAR FOR DECEMBER AND JANUARY

Friday	Every Friday	Club Breakfast in the Bldg S Cafeteria. Anytime after 7 AM.
Wednesday	Every Wednesday	Emergency Communications Team Check-in. Noon on 145.32 MHz.
Tuesday	Dec 15, noon	Early Club Meeting. This month only in R10/2778. Bldg R10 is in the Aviation HS area, off of Doolittle Drive. Vote for new Club Officers! Presentation by Russ Roberts, W6SIV on MARS, both international and Southern California.
Saturday	Dec 26, 8-11am	Swap Meet. New rules go into effect at this Swap Meet! You must be a ham and a member of a ham club to purchase a seller's space.
Thursday	Jan 7, after work	Executive Board Meeting. All members are welcome! New meeting site to be announced.
Wednesday	Jan 28, noon	Club Meeting, R2/1055. New Club Officers announced!
Saturday	Jan 30, 8-11am	Swap Meet, Northwest corner of Compton/Marine and Aviation behind the Chevron station.

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### Swap Meet Notes

Frank Cartier, N4RAY

Beginning at the December 1987 Amateur Radio Club Swap Meet which will be held on Saturday, 26 December, a major change in the operation of the Swap Meet will occur. The reason for the change is to comply with the laws of the State of California and the TRW Space Park Employee Association (SEA) rules and requirements. In order to comply with these requirements, we will have to charge a seller's fee in order to cover the administrative and operating expenses. In return, however, the selling participants will receive a number of convenient features. Among these features are specific space assignments that can be purchased in advance. This will allow sellers to know exactly where they will be located each month and can avoid waiting in line during the night before the Swap Meet and the mad rush to find that "perfect" space when the Swap Meet opens at 0700. This will also help ensure the continuation of the Swap Meet, since the local residents and TRW are not very pleased about the overnight campers in front of homes and/or TRW property.

The detailed rules, regulations and fees are provided on a separate page in this issue of the Crosstalk. Please note the changes that have been made since we began publishing the new rules in the October newsletter. These changes are underlined in the text. The most important of these changes are that you MUST have a valid Amateur Radio License or be an employee of TRW and belong to an Amateur Radio Club in order to participate as a seller at the Swap Meet.

With the exception of these changes, the basic approach to the Swap Meet is the same. It is primarily for the benefit of the Amateur Radio community, and as you will see from the sellers fee schedule, the preference is

given to Amateur Radio operators and TRW/ARC members. Only amateur radio equipment and related electronic equipment is allowed. No general merchandise, electronic toys, or food of any kind. Related electronic equipment includes computer hardware and software, electronic parts, test equipment, tools and Amateur Radio accessories. We have always taken a broad view of "Amateur Radio related," but the judgment of the Swap Meet crew will always be final.

The TRW Amateur Radio Club Swap Meet has become a Southern California Amateur Radio institution and an event many people look forward to each month. It has grown to its current full capacity because it provides the Amateur Radio operators with an opportunity to obtain items for their stations that otherwise might be difficult or impossible to find at sometimes bargain prices. Our intention is to provide a quality event and we hope everyone who has been involved in the past will continue to support it and the new requirements we must abide by.

The address for Swap Meet information/reservations ONLY is:

TRW/ARC SWAP MEET

P.O. Box 3525

Manhattan Beach, CA 90266

Enclose with each space reservation request the appropriate fee for your category along with a copy of your Amateur Radio Club card (if applicable) and your Amateur Radio license. Also required is your Driver's License number, telephone number (for confirmation) and your address. An SASE is always appreciated! The Swap Meet operating hours will remain the same — 0700 to 1130.

73, See you on December 26th.



**TRW AMATEUR RADIO CLUB**  
**SWAP MEET RULES AND REGULATIONS**

- 1) All participants (sellers) must be an Amateur Radio operator or a TRW employee and a member of a bona fide Amateur Radio Club.
- 2) Sellers will be assigned specific spaces - 371 "single" spaces - 26 "end" spaces.
- 3) A specific number of spaces can be purchased 6 months in advance.
- 4) Sellers who buy 6 months in advance will be allowed right of first refusal after that time.
- 5) Amateur radio and radio/computer electronics related items only -- no general merchandise, toys and no food items. No new equipment.
- 6) Sellers lot opens at 0700. No one allowed on TRW property until 0630.
- 7) Sellers lot closes at 1130.
- 8) Sellers will be required to purchase a ticket for each specifically assigned space(s) and hold their tickets for space verification by the Swap Meet crew.
- 9) Walk-in buyers are not charged an entry fee.
- 10) No more than 3 spaces per seller.
- 11) Spaces not occupied by 0830 will be subject to resale for that day.
- 12) Sellers must complete and sign:
  - a) State of California Information Report.
  - b) TRW Release Form.
- 13) No refunds due to weather conditions or any other reason.
- 14) Waiting list for "high demand" spaces will be maintained.
- 15) Drivers license for identification and a Radio Club membership card is mandatory.
- 16) Checks will be accepted only for advance reservations. Cash only on date of the Swap Meet at the entrance.
- 17) Certain vehicles will require a minimum of 2 spaces: examples are:
  - a) Cars/trucks with trailers
  - b) Motor Homes
  - c) Large Vans
  - d) Panel Trucks
  - e) Specialized vehicles
 Decisions by the Swap Meet crew on the number of spaces required is final.
- 18) One complete row (not including "end" spaces) will not be sold in advance.
- 19) All transactions on a first come, first serve basis (except as noted above).
- 20) Rate Schedule:
 

	1st Space	2nd Space ADD	3rd Space ADD
a) "Active" TRW/ARC Member with an Amateur Radio License (Club Card & License Required)	FREE	\$2.00	\$10.00
b) "Associate" TRW/ARC Member with Amateur Radio License (Club Card & License Req'd)	\$2.00	\$3.00	\$10.00
c) Amateur Radio Operator <u>who is a member of another radio club (License and club card required)</u>	\$3.00	\$5.00	\$10.00
d) Non-Amateur Radio Operators <u>who are TRW employees (TRW ID required)</u>	\$5.00	\$8.00	\$10.00

 For one of the 26 "end" spaces, add \$10.00 to the above rates.
- 21) Rates are subject to change. Spaces paid for in advance not subject to change for those dates.

**TRW AMATEUR RADIO CLUB**  
**SWAP MEET RULES AND REGULATIONS**

- 22) Sellers participation is a privilege, not a right. Sellers are the guest of the TRW Space Park Employees Association (SEA) and the TRW Amateur Radio Club.
- 23) Anyone not complying with the letter and intent of these rules will not be allowed to participate.
- 24) Sellers are responsible for keeping your space and adjacent area clean and free of trash.

**Field Day Results**

The Field Day results have been published in the November QST and the TRW/ARC placed 4th in the nation in class 7A. If our 40 Meter CW operation had not been knocked out we probably could have made 3rd place. We had 2668 contacts for a point total of 7926. That is 1056 more points than we scored last year. Class 7A honors went to W3SK who made 3399 contacts for a point total of 11,782! The Northrop and Palos Verdes ARCs teamed up to take 6A honors with the call sign W6CN they had 3402 contacts for 9,870 points! Congratulations to all who participated!

Failure is not fatal; failure to change is.

**Fred Reed, W6UMC - Silent Key**

**Ed Thornley, W6RXD**

With a feeling of deep sorrow and loss, I report the passing of Associate Member Fred Reed, W6UMC. Fred died of a heart attack on Monday, November 23, 1987 and the age of 62.

Fred was a regular member of the TRW/ARC from 1963 to 1970 while he was employed at TRW and continued as an associate member after leaving. He played an active role in the Club during early years as a member and officer - always ready to lend a hand or take on a project. You older members may remember that Fred developed our first Club QSL cards featuring the OGO spacecraft and arranged for company funding to underwrite the basic costs.

He also made major contributions of time and effort to help install the Club station in building 65 when we got our first club call, W6SWPD. We were proud of our brand new Swan 500 and a 14AVQ vertical.

I was in the Club shack with Fred on the day he worked Al Lee, W6KQI, when Al was Chief Operator of GB5QM on board the R.M.S. Queen Mary on her last voyage from Southamton, England to Long Beach, California.

Fred had a "feel for Quads." Those of you who partake in Field Day activities will remember Fred's portable 15-Meter Quad with bamboo fish pole spreaders. He had a way of tweaking and pruning it to help run up the Club's scores on 15 SSB on many, many Field Days!

Many of us were blessed with Fred's help in putting up our own towers and antennas. He could always find time on a Saturday or Sunday to show up with his lineman's belt and a box of tools to help put up a new "skyhook" and make it work.

In addition to being one of the great hams, Fred contributed to the electronics industry in many ways, as an engineer and as a teacher. He taught night classes in electronics at East L.A. College, and as an electronics assembly instructor in the Los Angeles School System. He was present at every Club Swap Meet, carrying a big satchel and filling it with "goodies" to support his teaching programs.

Fred is survived by his wife Olive, daughter Mary and sons Stanley and Allen. We extend our deepest sympathy to them in their loss.

All of Fred's friends and associates share in that loss - we will miss him.

Attending were Chris Wachs, Steve O'Neal, Dave Stockwell, Phil Bergeron, Bill Dews, Rich Sauer, John Keller and Will Schrecengost. Vice President Steve O'Neal called the meeting to order at 17:36. A motion was made for Dave Stockwell to investigate the possibility of obtaining a plaque of appreciation for the President of the TRW/ARC for 1986-1987. Cost not to exceed \$30. Treasurer Dave Stockwell passed out the financial report to the board members and explained each line item. President Chris Wachs went over the Swap Meet news and reported the details of a phone call with Swap Meet Manager Frank Cartier. Chris told the board that SEA approved the rules with the incorporation of the changes requested by them. These changes included that you must be an ham and member of a ham club to purchase a seller's space and that no new equipment is to be sold. Due to these changes 19 persons who signed up for spaces will have their money returned or must present a valid amateur radio license or proof that they are enrolled in an Amateur Radio class. John Keller was tasked with sending letters to the 19 persons informing them of the changes in the rules and requesting a valid Amateur Radio license and club membership card or to return the yellow receipt card they received for a full refund. The letter will state that they cannot be admitted to the Swap Meet due to the rule changes unless they meet the new requirements. Steve O'Neal is to coordinate with Frank Cartier concerning tickets, sign up forms and posters. John Keller will get printed the TRW Release forms and Frank Cartier will obtain the State forms for the December Swap Meet. Trustee Phil Bergeron would like to thank the Club member who put up the new ropes on the 40 and 80 meter antennas. Bill Dews gave Phil a new copy of the emergency contact list for posting in the shack. The Club QSL procedure was reviewed by the Executive Board. If a QSL card is sent to the Club, the QSL manager will verify the contact and QSL in return. If an operator of the W6TRW station would like to send a QSL without receiving one, a card must be obtained from the QSL card manager and sent out by the Club member themselves. Phil will write up the procedure and post it in the shack. Membership Chairman Bill Dews stated that he would like to change Article XII section 7 of the Club Constitution so that membership dues for Associate Members be reduced from \$8 to \$5. This is the official notification that a vote will be taken at the December Club meeting at noon on Dec 15th in R10/2778 to change the indicated section of the Constitution. The election of Club Officers for 1988 will also take place at this meeting. Technical Chairman Rich Sauer reported that TRW Surplus has handheld radios for the TRW/ARC and is attempting to affect their transfer to the Club. Rich indicated that the radios could be used in lieu of the Club repeater during the Swap Meet. Rich has contacted Chuck Lobb for a package of data on what Hughes has been doing for emergency communications and the hams working there. Rich is also investigating the high noise level appearing at the repeater site and will report to the board on his findings. Outgoing Crosstalk Editor John Keller introduced the new newsletter editor Dave Kropp, N6PLV. John presented the Club Calendar for 1988 to the board and copies of the Swap Meet database output. John reported that there will be a DCS drill on Dec 16th from 11:00 to 14:00 hours. The repeater will be in use and it was requested that it be put on emergency power. Field Day Chairman Bill Schrecengost will determine if the proposed lights with motion sensors for the Field Day site will generate any RFI and report back to the board. It was voted that the Pizza Hut where the EBM is held will be closing in December. Chris Wachs and Rich Sauer are to find a new location for the EBM's for 1988. Chris Wachs is to find a meeting room for General Membership meetings and report to the Vice President and newsletter editor the location. Meeting was adjourned at 19:23.

It's time to renew your membership in the TRW Amateur Radio Club. Membership officially expires in January but you don't have to wait until the last minute to make sure you continue to receive the Crosstalk every month and keep all of the privileges afforded you with your membership. So sit down now and fill out the membership application found in this month's newsletter and write the check (made out to the TRW/ARC) and send them in so you won't have to worry about it any more!

LAACARC ReportSteve Ng, N6IOA

A letter has been drafted for sending to the Department of Water and Power concerning RF pollution and the DWP's inaction on cleaning up noisy power lines. The QSL bureau is increasing the cost of envelopes beginning in January to 5 for \$2.00. This is in anticipation of the USPS increasing rates to 25 cents for first class mail.

The 1988 Southwestern Division Convention will be held on the Labor Day Weekend, Sept. 2nd through the 4th at the Disneyland Hotel. The 1989 convention will be held in Los Angeles and the 1990 convention is scheduled for San Diego.

The Educational Communications Association is the largest gathering of teachers involved in Amateur Radio. There is more interest in getting Amateur Radio in schools and is being supported by Yeesu who are selling Amateur Radio equipment at below wholesale if ordered on a school purchase order. The ARRL has a package of books for school libraries for \$90.00 and suggests clubs purchase the books and donate them to the local public or school libraries.

Fried Heyn reported that the situation on 220 Mhz is still in limbo and to not give up pressuring your congressmen. He also reported that a New York Judge has ruled in favor of a ham based on PRB-1.

We now have a permanent booth at the Los Angeles County Fair and there are 2-1/2 pages of names of teachers that want more information or speakers to appear at their school. The only problem encountered was that there were too many hams operating and not enough answering questions.

The TRW/ARC Swap Meet rules were presented with a few questions being quickly answered to the apparent satisfaction of all present.

OSCAR ReportBill Deheney, K1GJ

OSCAR 10 is alive and well. After a few problems early in November, AO-10 seems to be in good form. My first contact was with WINU in Connecticut using the Club station. Signals were weak but that turned out to be an antenna problem at the shack. Having fixed that, good signals of 95-98 abound and W6TRW usually gets and S6. For those of you who would like to know, the December schedule looks like this:

Dec 8-14 MA Phase, 0-94 and 171-255

Dec 15-21 MA Phase, 0-19 and 191-255

Operation during other times is prohibited as OA-10 must charge its batteries. As a rule the high numbered phase gives the best results and the low numbered phase has weak signals with significant spin modulation. If anyone need more information or would like the orbital predictions give me a call at X21615. The new Phase IIIC bird should be ready for launch by March of '88. It will provide far better results and should give lots of opportunities for DX.

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There is nothing more permanent than change, yet nothing meets with more resistance.  
George Bernard Shaw

The TRW Amateur Radio Club's Executive Board meets after work; everyone is invited to attend. Club meetings are held at noon on the last Tuesday of the month except December (3rd Tuesday). The Swapmeet is held the last Saturday of the month. Club picnics are announced in Crosstalk or by a special flyer. Any changes in the calendar will be announced in Crosstalk.

<u>JANUARY</u> Membership Renewal Time Now! Executive Board Meeting (EBM) Thursday, January 7 Club Meeting, Tuesday, Noon, January 26 New Club Officers Announced Swap Meet, Saturday, Jan. 30 8:00 - 11:00 am	<u>FEBRUARY</u> Late Membership Renewal EBM, Thursday, February 4 Club Meeting, Tuesday, Noon, February 23 Swap Meet, Saturday, Feb. 27 8:00 - 11:00 am	<u>MARCH</u> EBM, Thursday, March 3 St. Patrick's Day Observance Friday After Work, March 18 Swap Meet, Saturday, March 26 8:00 - 11:00 am Club Meeting, Tuesday, Noon, March 29	<u>APRIL</u> EBM, Thursday, April 7 Club Meeting, Tuesday, Noon, April 26 Swap Meet, Saturday, April 30 8:00 - 11:00 am
<u>MAY</u> EBM, Thursday, May 5 Club Picnic, Noon at Park, Tues, May 10 Swap Meet, Saturday, May 28 8:00 - 11:00 am Club Meeting, Tuesday, Noon, May 31	<u>JUNE</u> Club Picnic, Noon at Park, Wednesday, June 8 EBM, Thursday, June 9 Swap Meet, Sat, June 25, 8-11 Field Day Weekend, June 24-26 Club Meeting, Tuesday, Noon, June 28	<u>JULY</u> EBM, Thursday, July 7 Club Picnic, Noon at Park, Monday, July 18 Club Meeting, Tuesday, Noon, July 26 Swap Meet, Saturday, July 30 8:00 - 11:00 am	<u>AUGUST</u> EBM, Thursday, August 4 Club Picnic, Noon at Park, Friday, August 12 Swap Meet, Saturday, August 27, 8:00-11:00am Club Meeting, Tuesday, Noon, August 30
<u>SEPTEMBER</u> EBM, Thursday, September 8 Club Picnic, Noon at Park, Tuesday, September 13 Swap Meet, Saturday, Sept. 24 8:00 - 11:00 am Club Meeting, Tuesday, Noon, September 27	<u>OCTOBER</u> EBM, Thursday, October 6 Club Meeting, Tuesday, Noon, October 25 Swap Meet, Saturday, Oct. 29 8:00 - 11:00 am	<u>NOVEMBER</u> New Officer's Nomination EBM, Thursday, November 3 Annual Dinner, Saturday, November 12 Swap Meet, Saturday, Nov. 26 8:00 - 11:00 am Club Meeting, Tuesday, Noon, November 29	<u>DECEMBER</u> Vote! New Club Officers Early EBM, Thursday, Dec. 1 EARLY CLUB MEETINGS, Noon, Tuesday, December 20 Swap Meet, Saturday, Dec. 31 8:00 - 11:00 am